Honors Chemistry - Density Lab Questions

1. List the substances in order of density from the least dense to the most dense. Include all solids & liquids tested.
2. Why do liquids generally have lower densities than solids?
3. If you placed the three liquids in a beaker, how would they layer? (bottom to top and assume they don’t mix)
4. Would any of the solids float in any of the liquids? IF so, which?
5. Which method of determining the volume was more precise – water displacement or measurement/formula? Explain why.
6. Were all three densities of the metal tested (Al or brass) close in value? Why is this?
7. Explain the relationship between slope and density on your graph. Be detailed.
8. Explain at least 3 sources of error in this lab. (Notice it says explain- not list!)